

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD020824\
 Data File : VD078375.D
 Acq On : 08 Feb 2024 17:57
 Operator : RP/MD
 Sample : P1413-02
 Misc : 5.01G/5ml/MSVOA_D/SOIL/A
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Feb 09 03:13:01 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D013024S.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 01 03:58:19 2024
 Response via : Initial Calibration

Compound	R.T. QIon		Response	Conc	Units	Dev(Min)

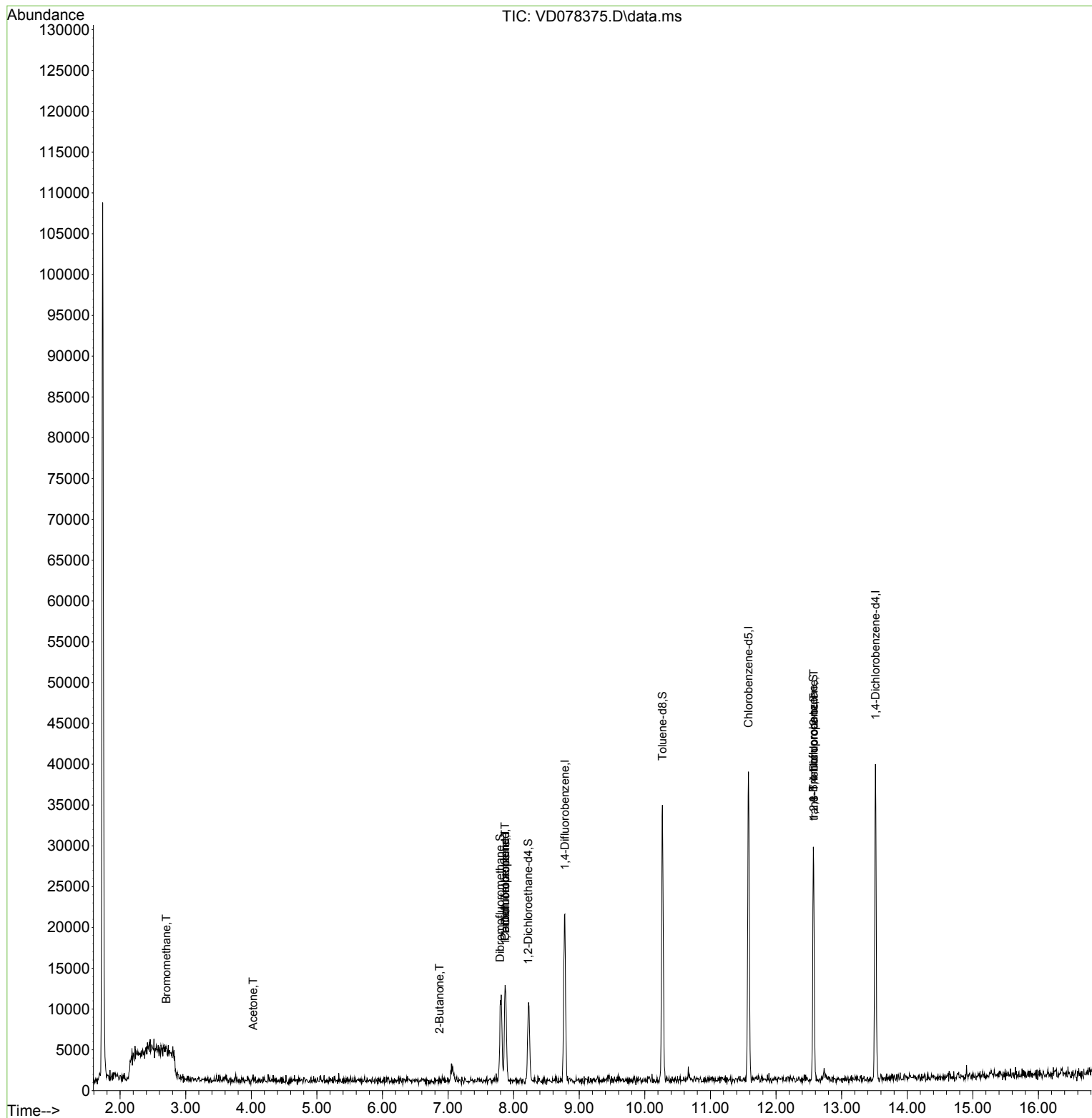
Internal Standards						
1) Pentafluorobenzene	7.869	168	9470	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.781	114	18785	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	23008	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	9988	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.222	65	8056	68.718	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	= 137.440%	
35) Dibromofluoromethane	7.793	113	7598	56.814	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 113.620%	
50) Toluene-d8	10.269	98	23332	46.081	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 92.160%	
62) 4-Bromofluorobenzene	12.569	95	8779	57.897	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 115.800%	
Target Compounds						
						Qvalue
5) Bromomethane	2.705	94	248	1.576	ug/l	95
16) Acetone	4.028	43	538	5.160	ug/l #	32
20) Methylene Chloride	4.799	84	158	Below Cal	#	55
25) 2-Butanone	6.869	43	55	1.408	ug/l #	37
36) 1,1-Dichloropropene	7.875	75	750	3.382	ug/l #	39
38) Carbon Tetrachloride	7.869	117	943	4.325	ug/l #	11
76) 1,2,3-Trichloropropane	12.575	75	4351	41.679	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	4351	82.891	ug/l #	17

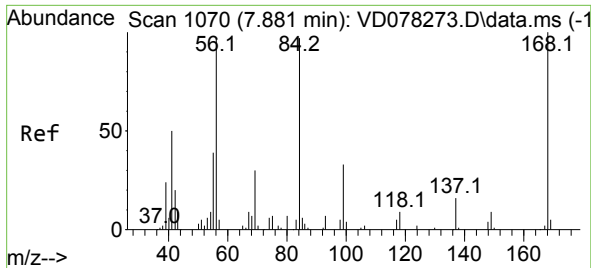
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Feb 01 03:58:19 2024
Response via : Initial Calibration

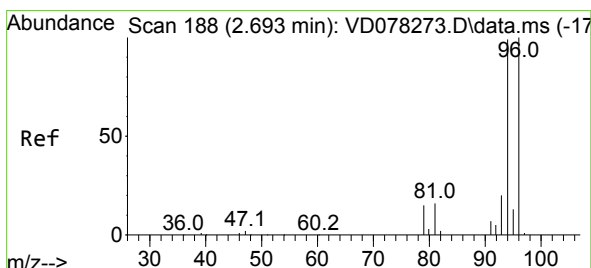
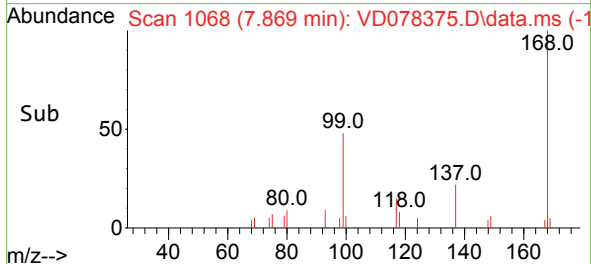
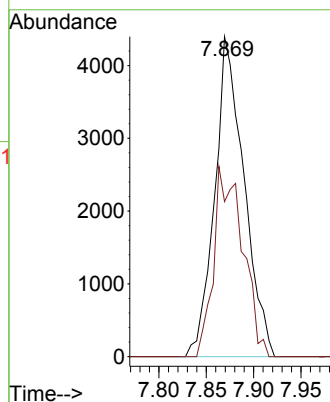
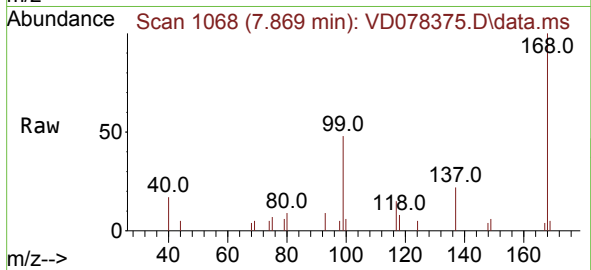




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.869 min Scan# 10
Delta R.T. -0.012 min
Lab File: VD078375.D
Acq: 08 Feb 2024 17:57

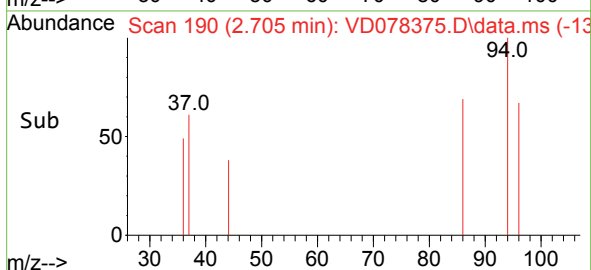
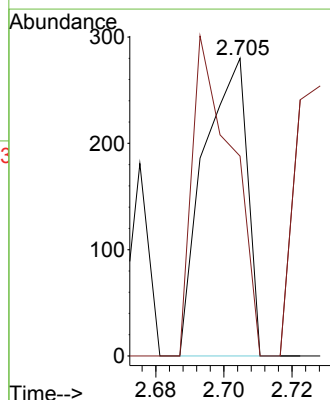
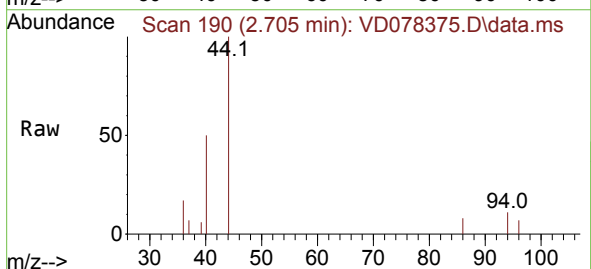
Instrument :
MSVOA_D
ClientSampleId :

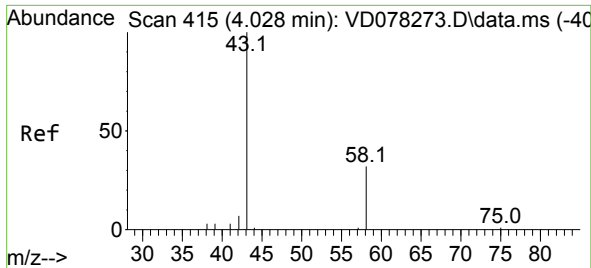
Tgt Ion:168 Resp: 9470
Ion Ratio Lower Upper
168 100
99 48.5 36.7 55.1



#5
Bromomethane
Concen: 1.576 ug/l
RT: 2.705 min Scan# 190
Delta R.T. 0.012 min
Lab File: VD078375.D
Acq: 08 Feb 2024 17:57

Tgt Ion: 94 Resp: 248
Ion Ratio Lower Upper
94 100
96 99.2 75.8 113.8





#16

Acetone

Concen: 5.160 ug/l

RT: 4.028 min Scan# 415

Delta R.T. 0.000 min

Lab File: VD078375.D

Acq: 08 Feb 2024 17:57

Instrument :

MSVOA_D

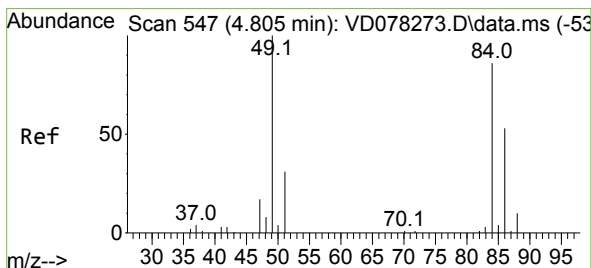
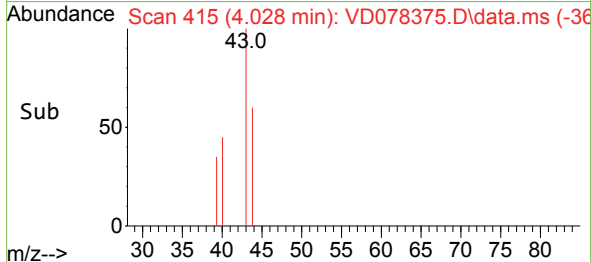
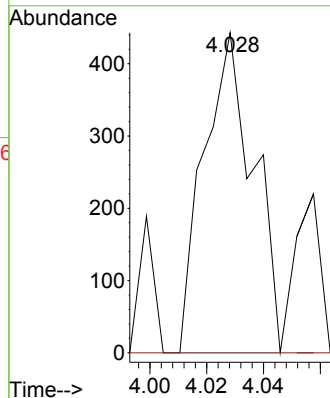
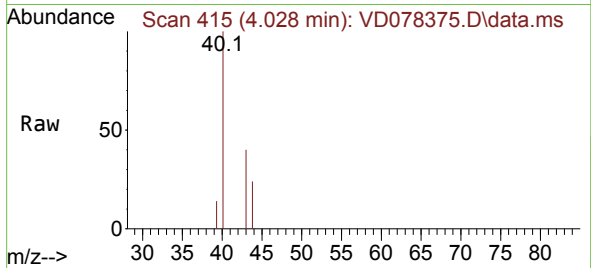
ClientSampleId :

Tgt Ion: 43 Resp: 538

Ion Ratio Lower Upper

43 100

58 0.0 34.7 52.1#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.799 min Scan# 546

Delta R.T. -0.006 min

Lab File: VD078375.D

Acq: 08 Feb 2024 17:57

Tgt Ion: 84 Resp: 158

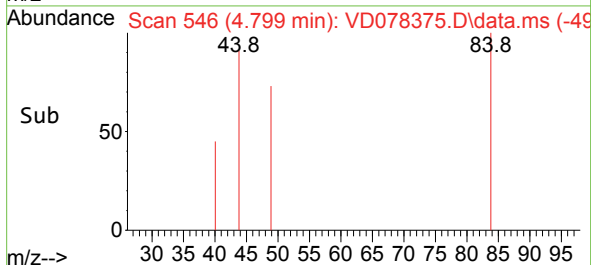
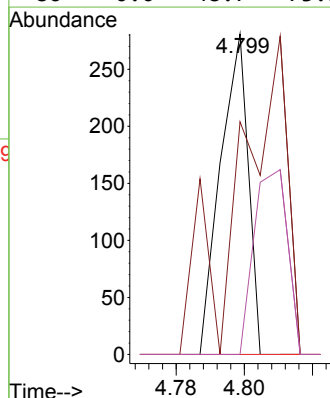
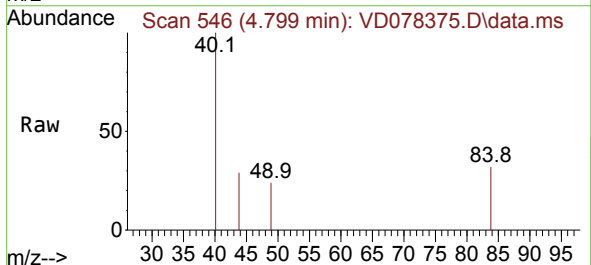
Ion Ratio Lower Upper

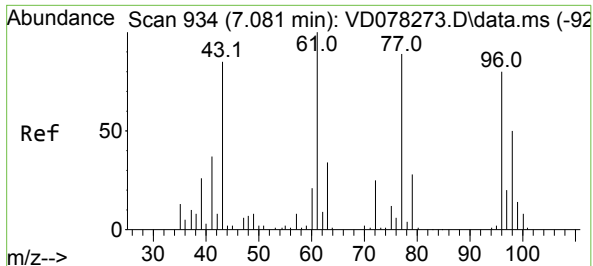
84 100

49 72.6 71.4 107.2

51 0.0 24.5 36.7#

86 0.0 48.7 73.1#

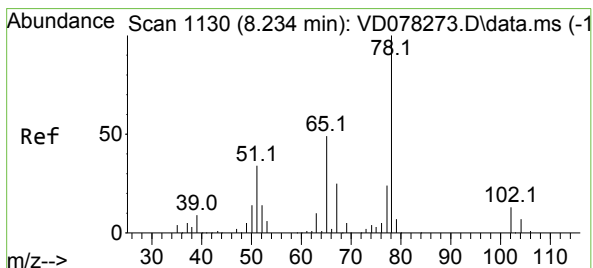
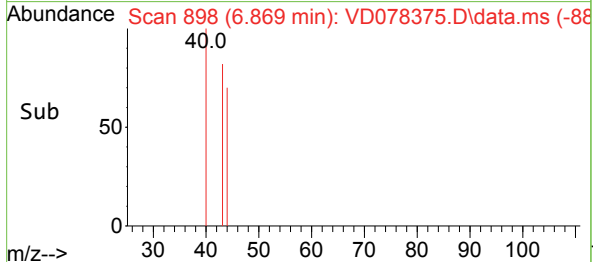
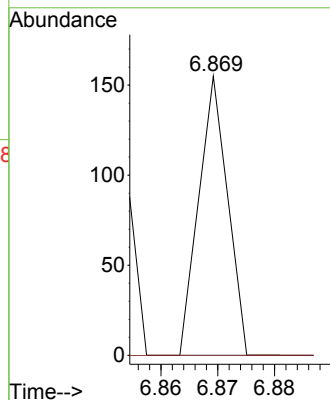
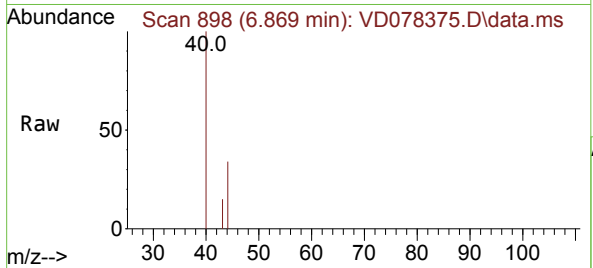




#25
2-Butanone
Concen: 1.408 ug/l
RT: 6.869 min Scan# 898
Delta R.T. -0.212 min
Lab File: VD078375.D
Acq: 08 Feb 2024 17:57

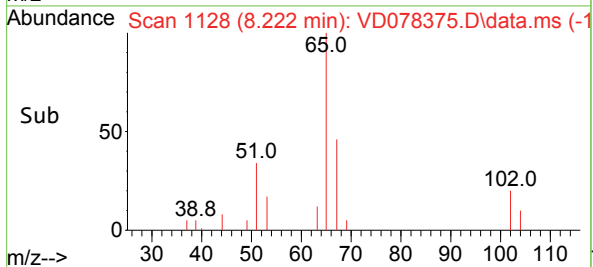
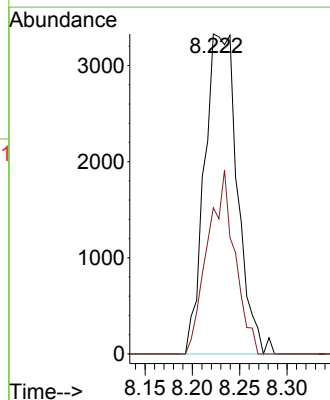
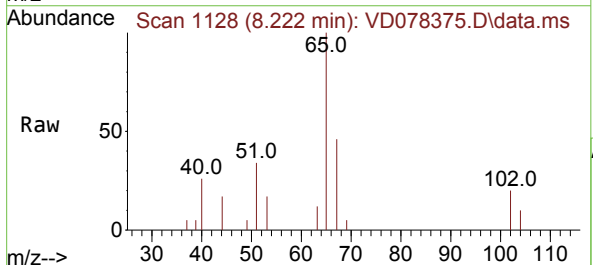
Instrument :
MSVOA_D
ClientSampleId :

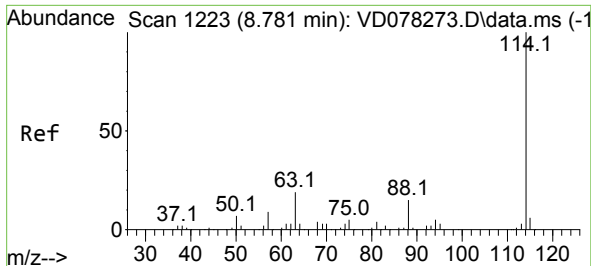
Tgt Ion: 43 Resp: 55
Ion Ratio Lower Upper
43 100
72 0.0 30.7 46.1#



#33
1,2-Dichloroethane-d4
Concen: 68.718 ug/l
RT: 8.222 min Scan# 1128
Delta R.T. -0.012 min
Lab File: VD078375.D
Acq: 08 Feb 2024 17:57

Tgt Ion: 65 Resp: 8056
Ion Ratio Lower Upper
65 100
67 47.5 0.0 115.0

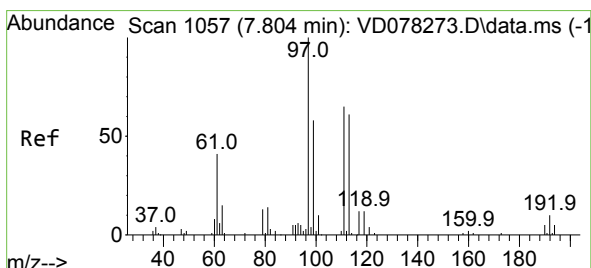
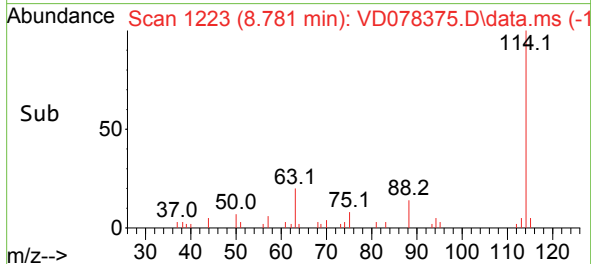
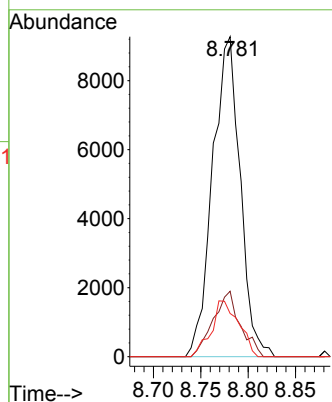
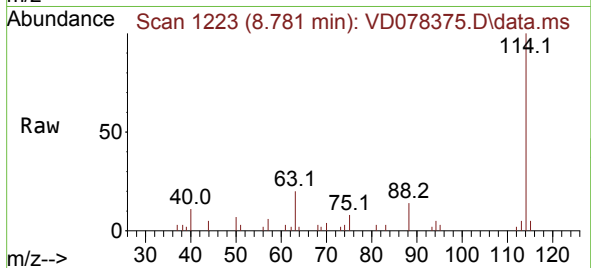




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.781 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD078375.D
Acq: 08 Feb 2024 17:57

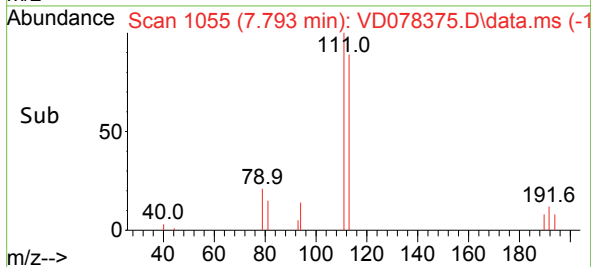
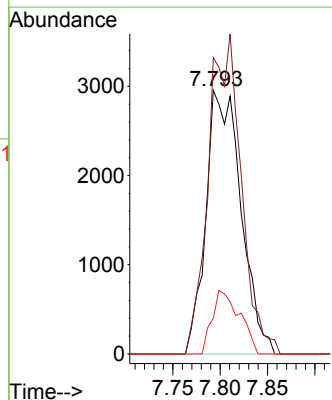
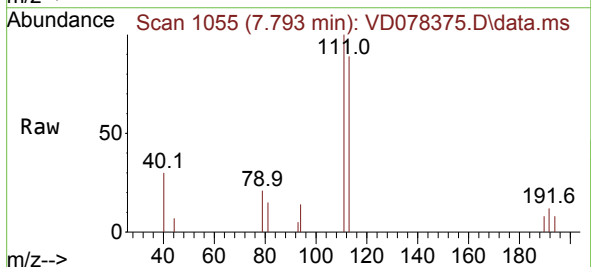
Instrument :
MSVOA_D
ClientSampleId :

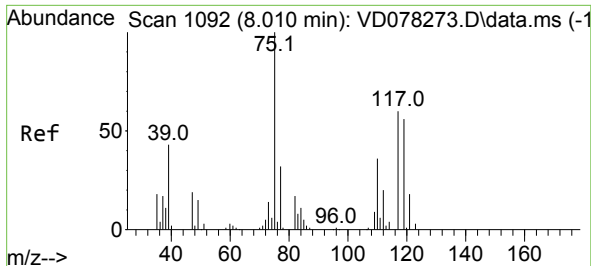
Tgt Ion:114 Resp: 18785
Ion Ratio Lower Upper
114 100
63 20.5 0.0 33.4
88 13.5 0.0 26.2



#35
Dibromofluoromethane
Concen: 56.814 ug/l
RT: 7.793 min Scan# 1055
Delta R.T. -0.012 min
Lab File: VD078375.D
Acq: 08 Feb 2024 17:57

Tgt Ion:113 Resp: 7598
Ion Ratio Lower Upper
113 100
111 113.2 84.7 127.1
192 18.8 16.8 25.2





#36

1,1-Dichloropropene

Concen: 3.382 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.135 min

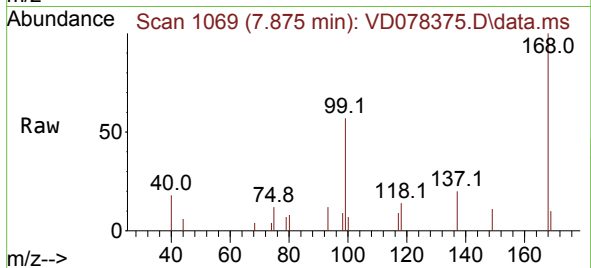
Lab File: VD078375.D

Acq: 08 Feb 2024 17:57

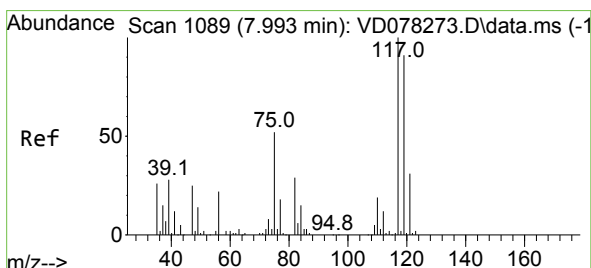
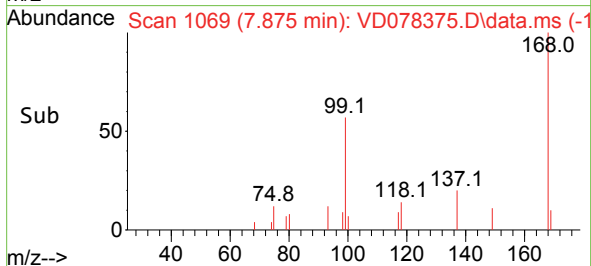
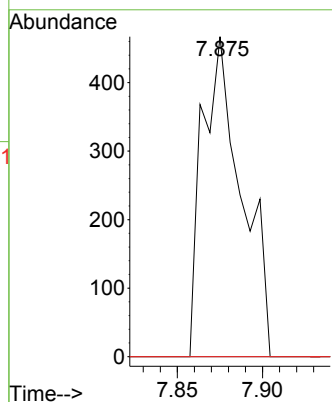
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion: 75	Resp: 750
Ion Ratio	Lower Upper
75	100
110	0.0 19.9 59.6#
77	0.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 4.325 ug/l

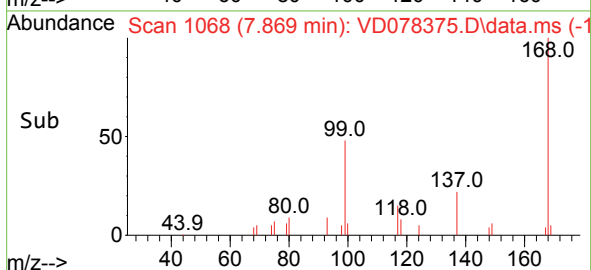
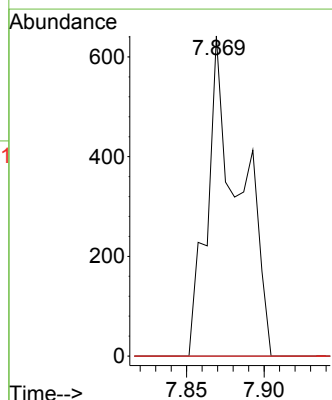
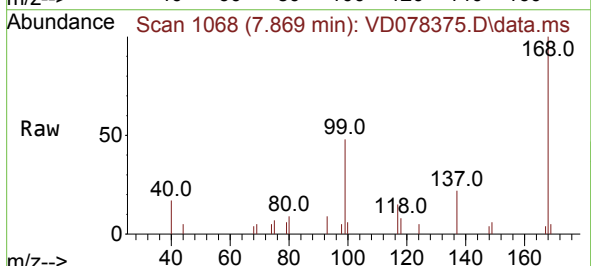
RT: 7.869 min Scan# 1068

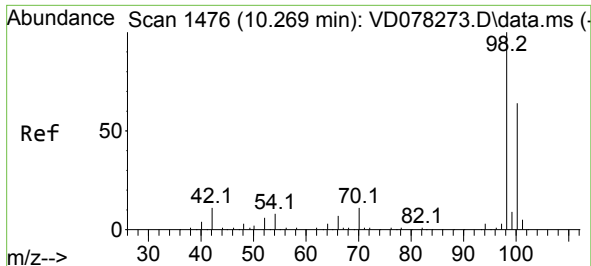
Delta R.T. -0.123 min

Lab File: VD078375.D

Acq: 08 Feb 2024 17:57

Tgt Ion: 117	Resp: 943
Ion Ratio	Lower Upper
117	100
119	0.0 78.0 117.0#
121	0.0 24.2 36.2#

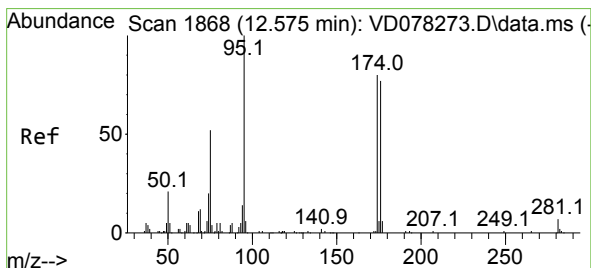
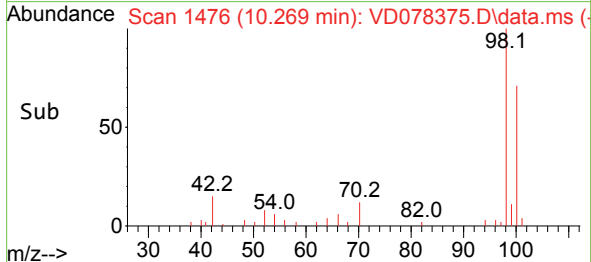
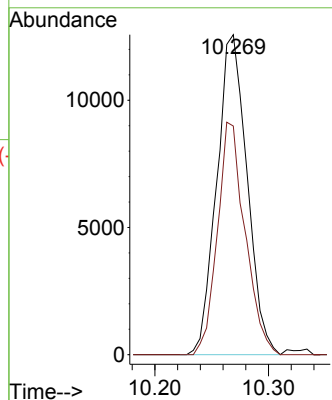
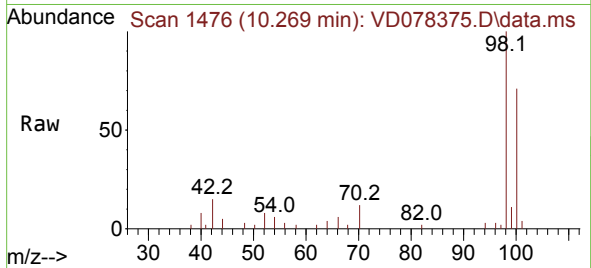




#50
Toluene-d8
Concen: 46.081 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD078375.D
Acq: 08 Feb 2024 17:57

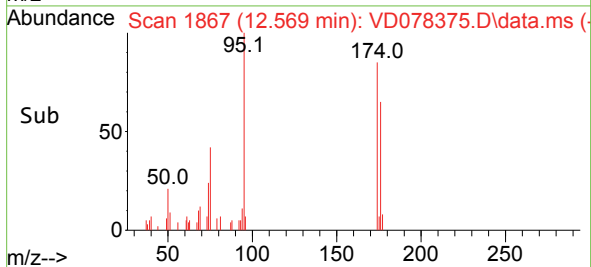
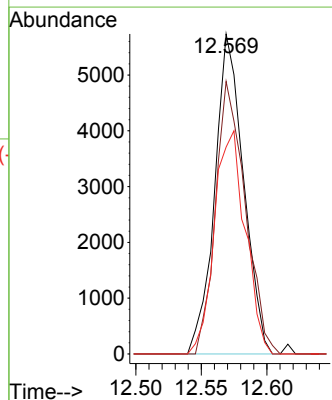
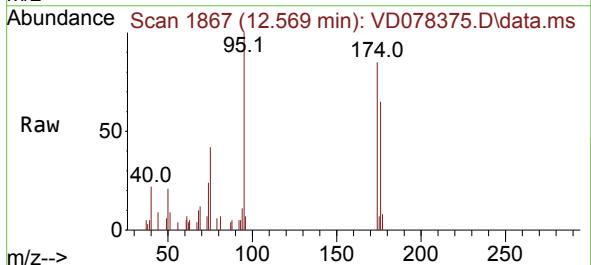
Instrument :
MSVOA_D
ClientSampleId :

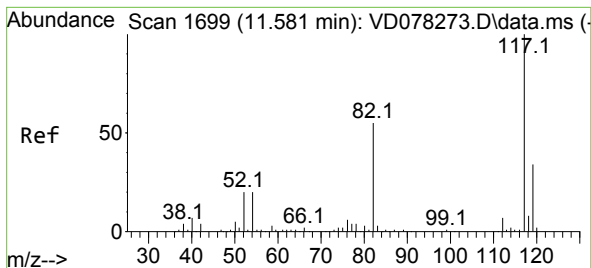
Tgt Ion: 98 Resp: 23332
Ion Ratio Lower Upper
98 100
100 66.3 50.3 75.5



#62
4-Bromofluorobenzene
Concen: 57.897 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.006 min
Lab File: VD078375.D
Acq: 08 Feb 2024 17:57

Tgt Ion: 95 Resp: 8779
Ion Ratio Lower Upper
95 100
174 87.4 0.0 201.8
176 74.6 0.0 191.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.581 min Scan# 1

Delta R.T. 0.000 min

Lab File: VD078375.D

Acq: 08 Feb 2024 17:57

Instrument :

MSVOA_D

ClientSampleId :

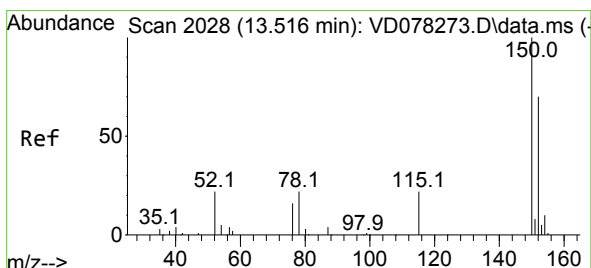
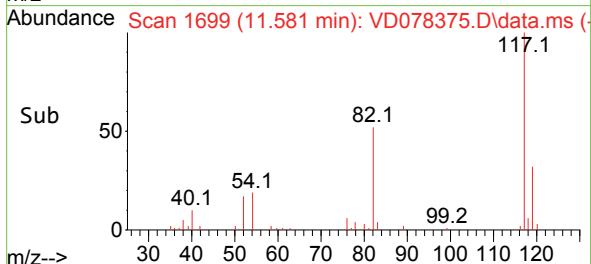
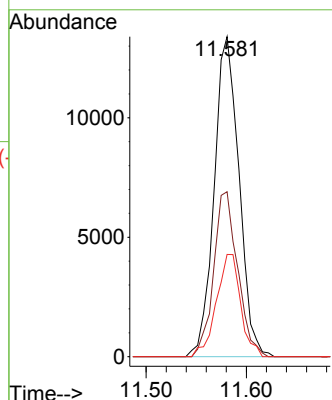
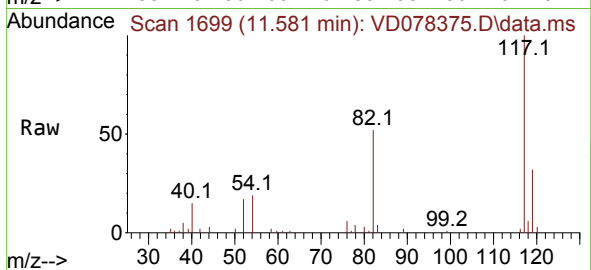
Tgt Ion:117 Resp: 23008

Ion Ratio Lower Upper

117 100

82 51.5 38.3 57.5

119 31.9 25.0 37.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.516 min Scan# 2028

Delta R.T. 0.000 min

Lab File: VD078375.D

Acq: 08 Feb 2024 17:57

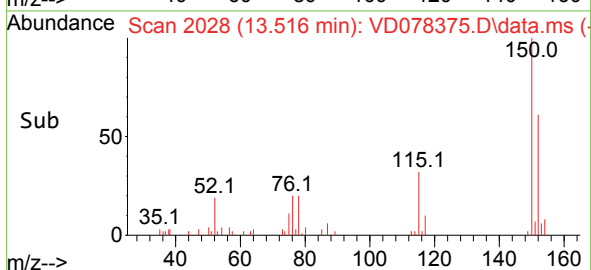
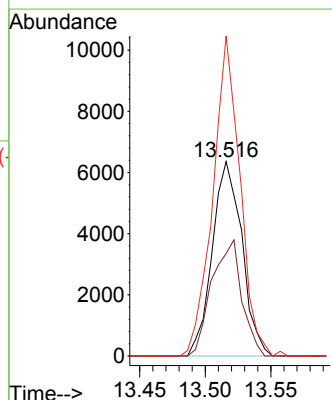
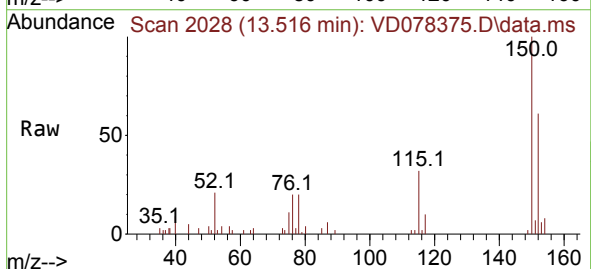
Tgt Ion:152 Resp: 9988

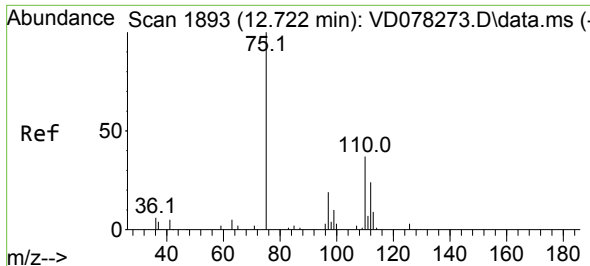
Ion Ratio Lower Upper

152 100

115 60.2 27.1 81.3

150 151.1 0.0 353.6

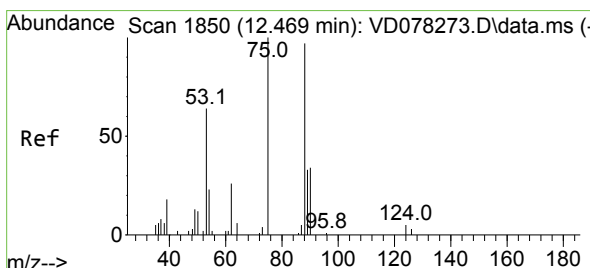
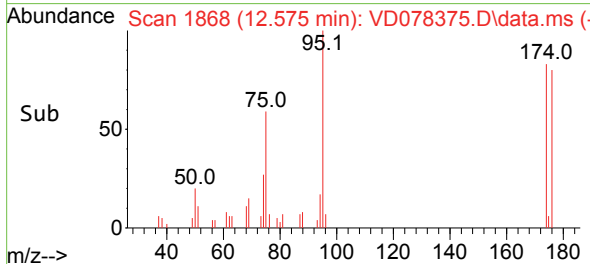
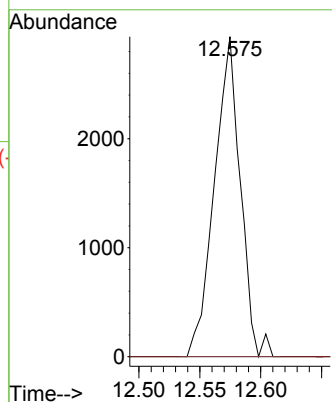
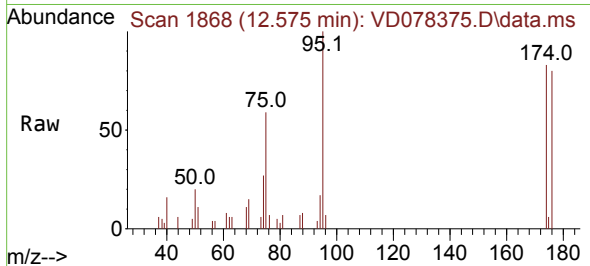




#76
1,2,3-Trichloropropane
Concen: 41.679 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.147 min
Lab File: VD078375.D
Acq: 08 Feb 2024 17:57

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 4351
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 82.891 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD078375.D
Acq: 08 Feb 2024 17:57

Tgt Ion: 75 Resp: 4351
Ion Ratio Lower Upper
75 100
53 0.0 63.0 94.4#
89 0.0 37.9 56.9#

